



JC06 Rec'd PCT/PTO 08 AUG 2005

Pat

Law Offices of

SCHNECK & SCHNECK

Thomas Schneck
David M. Schneck
Gina McCarthy
Nissa M. Strottman
Wayne Hossenlopp

P.O. BOX 2-E
SAN JOSE, CALIFORNIA 95109-0005

80 S. Market Street
Third Floor
San Jose, California 95113-2303

Email: webmail@patentvalley.com

Patents and Trademarks

Telephone: (408) 297-9733

Facsimile: (408) 297-9748

August 4, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Re: Request for Corrected Filing Receipt
Serial No.: 10/524,813
National Phase of PCT/NO03/00287
IA Filing Date: August 20, 2003
Filed in U.S.: February 18, 2005
For: ACCESSING SERVICES, APPLICATIONS AND
CONTENT IN A MOBILE COMMUNICATION NETWORK
Our ref: OSL-014 (Arne C. Munch et al.)

Dear Sir or Madam:

This is a request for correction of the filing receipt of the above-identified patent application. Two errors occurred in the filing receipt as follows:

1. The filing receipt indicates that there is no power of attorney for this application. Applicants state that a power of attorney to the undersigned and members of his firm is found on page 2 of the executed Declaration which was filed in the U.S. Patent and Trademark Office on July 18, 2005. A copy of our transmittal (second submission) dated July 18, 2005 is attached hereto as Exhibit A. A copy of the return post card date-stamped 18 July 2005 by the PTO is attached hereto as Exhibit B.
2. The filing receipt also shows the title of the published PCT application, and not the amended title of the application as filed in the U.S. Patent and Trademark Office. Kindly delete the old title and insert the amended title: **ACCESSING SERVICES, APPLICATIONS AND CONTENT IN A MOBILE COMMUNICATION NETWORK**. A copy of our transmittal (first submission) dated February 18, 2005 is attached hereto as Exhibit C. Please note that a substitute specification was filed in the USPTO, copy attached as part of Exhibit C.

Page Two

Kindly send us a corrected filing receipt showing that there is a power of attorney and showing the amended title as filed in the U.S. Patent and Trademark Office. A copy of the filing receipt with corrections in red ink is attached hereto as Exhibit D.

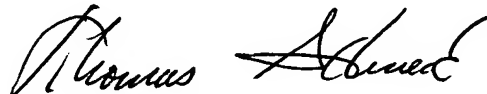
Respectfully submitted,

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signed: Merle P. Garcia
Typed Name: Merle P. Garcia

Date: August 4, 2005



Thomas Schneck

Reg. No. 24,518

Schneck & Schneck

P.O. Box 2-E

San Jose, CA 95109-0005

(408) 297-9733

TS:mpg

Encl: Exhibits A, B, C and D

cc: Anne Taucher w/ front pages of exhibits

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

OSL-014

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

10/524,813

INTERNATIONAL APPLICATION NO.

PCT/NO2003/000287

INTERNATIONAL FILING DATE

20 AUGUST 2003

PRIORITY DATE CLAIMED

20 AUGUST 2002

TITLE OF INVENTION

ACCESSING SERVICES, APPLICATIONS AND CONTENT IN A MOBILE COMMUNICATION NETWORK

APPLICANT(S) FOR DO/EO/US

Arne C. MUNCH; Lars C. N. BERG; Leif SANDBERG

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
Certification Under 37 CFR 1.10 is also attached;
Notification of Missing Requirements WAS NOT RECEIVED (although correspondence address is indicated on the first Transmittal Letter, copy enclosed). This submission is believed to be timely.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)
10/524,813

INTERNATIONAL APPLICATION NO.
PCT/NO2003/000287

ATTORNEY'S DOCKET NUMBER
OSL-014

21. ☒ The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO. \$1040.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO \$890.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☒ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	- 20 =		x \$18.00	\$
Independent claims	- 3 =		x \$84.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00	\$

TOTAL OF ABOVE CALCULATIONS = \$ 130.00

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above
are reduced by 1/2. +

SUBTOTAL = \$ 130.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(f)).

TOTAL NATIONAL FEE = \$ 130.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31): \$40.00 per property +

TOTAL FEES ENCLOSED = \$ 130.00

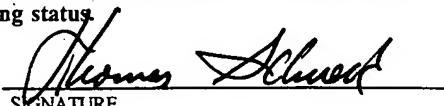
Amount to be refunded:	\$
charged:	\$

- a. ☒ A check in the amount of \$ 130.00 to cover the above fees is enclosed.
including
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 19-0590. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card
information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR
1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Thomas Schneck
Law Offices of Schneck & Schneck
P.O. Box 2-E
San Jose, CA 95109-0005
Tel: (408) 297-9733
Fax: (408) 297-9748
Email: tschneck@patentvalley.com


SIGNATURE
Thomas Schneck
NAME
24,518
REGISTRATION NUMBER

OSL-014

Certificate under 37 CFR 1.10 of Mailing by "Express Mail"

EV 555751802 US

"Express Mail" label number

July 18, 2005

Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, P.O. Box 1450, Alexandria, VA 22313-1450. Mail Stop PCT.

Merle P. Garcia

Signature of person mailing correspondence

Merle P. Garcia

Typed or printed name of person mailing correspondence

Note: Each paper must have its own certificate of mailing by "Express Mail".

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)

Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**☐ Declaration
Submitted
with Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number

OSL-014

First Named Inventor

Arne C. MUNCH

COMPLETE IF KNOWN

Application Number

10 / 524,813

Filing Date

08/20/03 (IA filing date)

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ACCESSING SERVICES, APPLICATIONS AND CONTENT IN A MOBILE
TELECOMMUNICATION NETWORK**

the specification of which

(Title of the invention)

☐ is attached hereto
OR☒ was filed on (MM/DD/YYYY) 08/20/2003 as United States Application Number or PCT International

Application Number PCT/NO2003/000287 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
NO 20023947	Norway	08/20/2002	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

(Page 1 of 2)

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☒ Customer Number 003897

OR ☒ Registered practitioner(s) name/registration number listed below

Place Customer Number Bar Code Label here

Name	Registration Number	Name	Registration Number
Thomas Schneck	24,518	David M. Schneck	43,094
Mark Protsik	31,788	Nissa Strottman	52,257
Gina McCarthy	42,986	Bradley W. Scheer	47,059
		Wayne Hossainloop	55,278

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number or Bar Code Label 003897

OR ☒ Correspondence address below

Name	Schneck & Schneck				
Address					
Address	P.O. Box 2-E				
City	San Jose	State	CA	ZIP	95109-0005
Country	U.S.A.	Telephone	408/297-9733	Fax	408/297-9748

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [(if any)])		Family Name or Surname	
ARNE C.		MUNCH	
Inventor's Signature	Date		28/4
Residence: City	Oslo	State	Norway
Post Office Address	Elisenbergveien 22		
Post Office Address			
City	Oslo	State	N-0265
Country	Norway		

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

PTO/SB/02A (3-97)

Please type a plus sign (+) inside this box → ☐Approved for use through 8/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>
--------------------	--

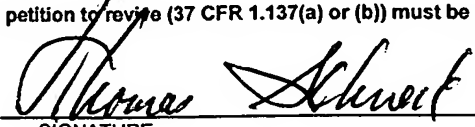
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
LARS C. N.		BERG			
Inventor's Signature	<i>Lars C. N. Berg</i>			Date	204-05
Residence: City	Drammen	State	Country	Norway	Citizenship
Post Office Address					
Hotvetveien 37B					
Post Office Address					
City	Drammen	State	ZIP	N-3018	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
LEIF		SANDBERG			
Inventor's Signature	<i>Leif Sandberg</i>			Date	12/4-05
Residence: City	Saltsjö-boo	State	Country	Sweden	Citizenship
Post Office Address					
Jantans vag 14					
Post Office Address					
City	Saltsjö-boo	State	ZIP	S-132 35	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Inventor's Signature				Date	
Residence: City		State	Country		Citizenship
Post Office Address					
Post Office Address					
City		State	ZIP		Country

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER OSL-014
INTERNATIONAL APPLICATION NO. PCT/NO2003/000287	INTERNATIONAL FILING DATE 20 AUGUST 2003	PRIORITY DATE CLAIMED 20 AUGUST 2002
TITLE OF INVENTION ACCESSING SERVICES, APPLICATIONS AND CONTENT IN A MOBILE COMMUNICATION NETWORK		
APPLICANT(S) FOR DO/EO/US Arne C. Munch; Lars C. N. Berg; Leif Sandberg		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none">1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.4. <input checked="" type="checkbox"/> The US has been elected (Article 31).5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<ol style="list-style-type: none">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. WO 2004/019253c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<ol style="list-style-type: none">a. <input checked="" type="checkbox"/> is attached hereto not required. Appln. filed in English.b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).<ol style="list-style-type: none">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).b. <input type="checkbox"/> have been communicated by the International Bureau.c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.d. <input type="checkbox"/> have not been made and will not be made.8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none">11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.13. <input type="checkbox"/> A preliminary amendment.14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.15. <input checked="" type="checkbox"/> A substitute specification. incorporating amendments to description and claims; an abstract; one drawing sheet.16. <input type="checkbox"/> A power of attorney and/or change of address letter.17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).20. <input checked="" type="checkbox"/> Other items or information: Certification Under 37 CFR 1.10.		

COPY

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/NO2003/000287		ATTORNEY'S DOCKET NUMBER OSL-014	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$ 200	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$ 500	
TOTAL OF 21, 22 and 23 =				\$ 1000	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	10 - 20 =	0	x \$ 50	\$	
Independent claims	2 - 3 =	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 1000	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 1000	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 1000	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1000</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0590</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Thomas Schneck Schneck & Schneck P.O. Box 2-E San Jose, CA 95109-0005 Tel. (408) 297-9733 Fax (408) 297-9748 email: tschneck@patentvalley.com			 SIGNATURE Thomas Schneck NAME 24,518 REGISTRATION NUMBER		

OSL-014

Certificate under 37 CFR 1.10 of Mailing by "Express Mail"

EV 483138116 US

"Express Mail" label number

February 18, 2005

Date of Deposit

(along with any paper referred to as being attached or enclosed)

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231. Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Merle P. Garcia

Signature of person mailing correspondence

Merle P. Garcia

Typed or printed name of person mailing correspondence

Note: Each paper must have its own certificate of mailing by "Express Mail".

OSL-C14

JCO4 Rec'd PCT/PTO 18 JUL 2005
Express Mail Label EV 555751802 US

Received of Arne C. Munch et al. re USSN 10/524,813
(claiming priority from Int'l. Appln. No. PCT/NO2003/000287
filed Aug. 20, 2003) for ACCESSING SERVICES, APPLICATIONS
AND CONTENT IN A MOBILE COMMUNICATION NETWORK:

1. Transmittal Letter to the United States Designated/
Elected Office Concerning a Filing Under 35 USC 371;
2. Declaration;
3. Copy of first Transmittal Letter;
4. Certificate of Mailing Under 37 CFR 1.10; and
5. Check in the amount of \$130.

Please date stamp and return.

EXHIBIT B

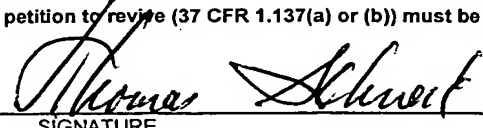
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER OSL-014 U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/NO2003/000287	INTERNATIONAL FILING DATE 20 AUGUST 2003	PRIORITY DATE CLAIMED 20 AUGUST 2002
TITLE OF INVENTION ACCESSING SERVICES, APPLICATIONS AND CONTENT IN A MOBILE COMMUNICATION NETWORK		
APPLICANT(S) FOR DO/EO/US Arne C. Munch; Lars C. N. Berg; Leif Sandberg		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))		
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. WO 2004/019253		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input checked="" type="checkbox"/> is not required not required. Appln. filed in English.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input checked="" type="checkbox"/> A substitute specification incorporating amendments to description and claims; an abstract; one drawing sheet.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		
20. <input checked="" type="checkbox"/> Other items or information: Certification Under 37 CFR 1.10.		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EXHIBIT C

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/NO2003/000287		ATTORNEY'S DOCKET NUMBER OSL-014	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$ 200	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$ 500	
TOTAL OF 21, 22 and 23 =				\$ 1000	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/ 50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	10 - 20 =	0	x \$ 50	\$	
Independent claims	2 - 3 =	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 1000	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 1000	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 1000	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1000</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0590</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Thomas Schneck Schneck & Schneck P.O. Box 2-E San Jose, CA 95109-0005 Tel. (408) 297-9733 Fax (408) 297-9748 email: tschneck@patentvalley.com				 SIGNATURE Thomas Schneck NAME 24,518 REGISTRATION NUMBER	

OSL-014

Certificate under 37 CFR 1.10 of Mailing by "Express Mail"

EV 483138116 US

"Express Mail" label number

February 18, 2005

Date of Deposit

(along with any paper referred to as being attached or enclosed)

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, ~~Washington, D.C. 20231~~. Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Merle P. Garcia

Signature of person mailing correspondence

Merle P. Garcia

Typed or printed name of person mailing correspondence

Note: Each paper must have its own certificate of mailing by "Express Mail".

Description

ACCESSING SERVICES, APPLICATIONS AND CONTENT IN A MOBILE COMMUNICATION NETWORK

5

FIELD OF THE INVENTION

The present invention is related to mobile services, in particular to provide higher availability of such in a wireless network environment.

10

BACKGROUND OF THE INVENTION

Cellular phones or mobile phones are no longer used for voice transmission only. They are now extended to also function as tools for providing simple services, applications and content download to the users. Examples of popular services/content being available for mobile phone users are downloading of logos and ring tones, directory assistance, positioning services, reservations etc., i.e. Mobile Internet Services.

20

In the case of GSM, GPRS and UMTS, the service bearers are usually SMS, MMS or WAP. All these bearers are in a category where the availability to the customers is characterized by a threshold of complexity in the user interface, and a certain degree of technical understanding is required. In addition, for almost all SMS and MMS services and applications, the user needs to have knowledge of certain codes, syntaxes and numbers to access them. This type of services needs to be advertised daily and makes the marketing very costly. Presently, the most frequent content accessed using SMS codes is logos and ring tones. However, it is not feasible or efficient to use complex syntaxes and codes for more sophisticated content.

30

As a consequence, the usage of different services offered by telecom operators and service

35

providers tends to be lower than expected. The use of the services, and accompanying technological adaptation, seems to be developing at a lower growth rate for general customers, compared to the growth of the services offered.

Consequently, there is a need for a solution lowering the threshold of complexity in the user interface, making services available on the terminals to users, and presenting information to users in an interactive way, so that the customer can communicate and understand the information received. Such a solution should be adapted and addressed to the majority of subscribers utilizing the services available. The main object is to allow a majority of subscribers the ability to use more of the operators' and content providers' value added services.

SUMMARY OF THE INVENTION

The present invention discloses a system and a method that reduces the threshold of complexity in the user interface at terminals of a mobile wireless network. In particular, the invention comprises a system for accessing services and/or applications and/or content in a communication network from a user terminal, the services and/or applications and/or content being stored in or linked to one or more databases connected to said communication network. This system includes an Interpreter module interpreting a user-entered text phase in the user's own natural language by means of a text and grammar recognition process, said module being adapted to output commands and/or inquiries executable for a Content Logic block based on the result of said text and grammar recognition process, the Content Logic being adapted to search and find services and/or applications and/or content among said services and/or applications and/or content in said one or more databases satisfying speci-

fications defined by the commands and/or inquiries from the Interpreter module, a Priority Logic block being adapted to sort said found services and/or applications and/or content in a prioritized list according to predefined priority rules.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a block diagram of the system architecture of a preferred embodiment of the present invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

The present invention discloses a system providing existing services to wireless mobile customers in a user friendly and flexible way. From a user's point of view, a non-standardised text phrase expressing what he or she is looking for is entered into the user's terminal and the system responds with the services or content matching the message of the text phrase, possibly in a prioritized order. Alternatively, the system is accessed and controlled by the user's voice through a voice recognition module.

The system providing this user scenario is preferably implemented in a server 11 at a telecommunication operator, comprising three main components: Interpreter module 13, Content Logic block 15 and Priority Logic block 17. In addition, a browser mechanism for interfacing the system at the users 19 will be needed. In the case of cellular phones, a SIM browser is preferably used for this purpose. The server will also have to be connected to one or more databases containing services/content or links thereto.

The Interpreter

The object of the Interpreter module 13 is to enable users 19 to formulate and enter search strings as

they would be expressed in natural speech, i.e. in the user's natural language and with normal grammatical composition, without knowing the correct syntax requested by each particular database. The search strings may be
5 either written or spoken.

In other words, the Interpreter module 13 is text-recognition and grammar software recognizing and translating the user's own natural language into a language that the Content Logic block 15 understands.
10 Text recognition is a fast developing field, and some of the existing solutions are already applicable for this purpose. A speech recognition system can be integrated to the natural language system to extend the system to perform a voice-based service. The response can also be
15 voice synthesized in this case. A standard text recognition and grammar module has to be adjusted to the Content Logic block 15 so that it outputs commands and queries being executable by the Content Logic block 15. This gives the operator the opportunity to associate
20 content with a logical response to a customer's requests or needs, i.e. the user may make his or her queries or requests by logical written sentences on the terminal display.

This Interpreter module could be based on
25 standard, off-the-shelf, natural text recognition and grammar software. The text recognition and grammar software may be used as a verbal compiler. It runs on a standard operating system with an internet information server as an online resource with an SQL database server
30 used as an information store.

The prototype verbal compiler of Interpreter module 13 is designed to be accessed by IP protocol through a slim operator-specific layer. The prototype verbal compiler can access knowledge bases in several
35 ways, e.g. by using the http protocol, using SQL statements and by macros to internal storage.

Internally, all is defined by use of XML code in the verbal compiler. Externally, the verbal compiler communicates by use of http towards technical partners or content providers 21. The format must regularly be
5 customised for each partner.

Content Logic

The Content Logic block 15 contains a set of predefined tables, matrixes and commands as well as
10 search engines to execute the desired queries and commands generated from the text entered by the user in addition to information and links to all active and current services and contents in block 21. This logic will be the gate to all contents and is connected to the
15 CPA (Content Provider Access) block 23 and thus the billing system. The Content Logic block 15 will receive requests by means of queries and commands from the Interpreter block 13, informing the Content Logic block 15 what kind of services or contents to search for. The
20 Content Logic block 15 then searches through one or more databases containing all available services or contents. The services or contents are preferably categorized in several classifications as, e.g., sports, weather, location based Content, etc. Other examples of services
25 or content being available in the databases are dictionaries, encyclopaedias, traffic information and services, directory assistance, ring tones, logos, music, videos, voice mail, cinema, Mobile Commerce, positioning services etc.

30 If more than one service or content is found, it is left to a Priority logic block 17 to order the services or contents. The result of the search is then returned to the user's terminal, and by use of a SIM toolkit, the services or content found will preferably
35 appear in the terminal display as selectable menu options. The number of hits presented to the user,

either through SMS, MMS, Mobile email, Cellbroadcast, WAP, WAP push or through voice channel (synthesized), can be numerous, but is preferably limited to a certain number, with the option to see more if requested.

5

Priority Logic

The Priority Logic block 17 is driven by a method for prioritizing between the services or content of all the Content Providers (CP) available through the operator's network in block 21. The list is to be organised in different classifications of services fitted to be grouped together.

When the user requests a certain service or application, or asks for (general) information, the Content Logic block 15 will find the most relevant services or content and relay the list to the Priority Logic block 17. The list is then arranged in a prioritised order according to what is most likely to satisfy the user's need and/or what is most valuable for the operator. To provide this, a database containing a ranking list is integrated in the Priority Logic block 17. The list is segmented into different classifications of services and applications.

Consequently, the user may experience a set of hits as a response to a successful request, and for this to be interesting, it is a requirement that the most popular services and applications are among the hits. The user should be able to personalise the service, e.g. having the possibility to set a limit of the number of hits that is provided to him or her.

The function of the Priority Logic block 17 is for the operator to organize services/content related to the end-user's requests. This will add value to the service, as the prioritised content is the most likely wanted item requested. The motivation to implement Priority Logic block 17 is based upon the assumption that

rich and solid content providers are willing to pay according to a defined structure to be present in the hit list presented to the end user.

5 SIM browser

 In a preferred embodiment of the invention, a SIM Browser is used by users 19 for accessing the system. A SIM browser is a standard product used by several mobile operators, and resides in a SIM card that can be
10 used for menu-driven access to SMS based services and for enabling SIM application toolkit commands. A SIM Browser can be described as partly similar to a conventional Internet browser, such as Microsoft Internet Explorer and is termed a wireless internet browser, WIB 27.

15 The SIM Browser 27 receives byte coded WML-scripts from the Wireless Internet Gateway (WIG) server 23 as a message from SMSC block 25 and runs these WML-script commands as SIM Application Toolkit (SAT) commands on the Mobile unit 29. The SIM Browser is implemented as
20 a SIM Toolkit Application and will also use SIM Application Toolkit commands, e.g., for displaying text and getting key for interaction with the user.

 The SIM Browser in the context of the present invention is responsible for: providing user access to
25 the system by means of an option in the menu; transmitting the user-entered text phrase to the Interpreter module 13; receiving a response and displaying it to the customer; carrying out the requested operation if accepted by the customer; and performing any end-to-end
30 security functions if requested.

 The combination with preloaded menu in the SIM and SIM Browser technique resembles that of wireless application protocol, or WAP, a standard for displaying web pages on cellphones, but using the SIM browser 27
35 gives the advantage of direct access to the system of the present invention through a menu option in the menu

system of the user's terminal without being forced to set up a WAP session or SMS semi-WAP interaction to get information. In addition, the terminal does not have to be WAP configured for making use of the system. However, use of the WAP browser and setting up a WAP session in addition to the SIM browser might be favourable in certain cases, and will also be within the scope of the present invention.

10 User scenario

In the following, the steps of an example user scenario of the present invention will be presented. First, the user 19 selects the menu option to access the system of the present invention, e.g. called "mGuru search". Second, the user enters a text phrase of his choice in the SIM Toolkit menu by means of his/her keyboard, e.g. "my nearest petrol station" or "petrol station in my area" or only "petrol". Third, the SIM sends this request to the Interpreter logic 13 through SMSC 25, or alternatively MMS, Mobile Email and OTA/WIG. Fourth, by means of the words "nearest" or "area" and "petrol station", the Interpreter Logic 13 outputs a search command to the Content Logic 15 for positioning services. Fifth, the Content logic 15 finds a number of services and deliberates with the Priority Logic 17 before sending a WML response back to the SIM Toolkit and the user 19 including a prioritized list of the services found. Sixth, the display-text of the response is shown to the user 19 who either confirms or rejects the response or key in a new string. Seventh, this response from the SIM 27 is relayed back to the Interpreter logic 13. Eighth, upon user confirmation, the content provider 21 presents his "offer" to the user and takes over the process/dialogue. Finally, the user 19 has got his or her wanted service.

Optionally, if the user 19 has predetermined that the system should respond with only one service per request, the sixth through ninth steps may be replaced by one single step of presenting the result of the service being on top of the priority list directly to the user. The user would then experience the response of his or her request, e.g. as a map sheet appearing on his or her display, plotting the exact route from his or her current position to the nearest petrol station.

Another example

The user selects the menu option to access the system as in step 1 above. The user 19 enters "The last melody of Eminem". This request is sent to the Interpreter logic 13 which outputs a search command to the Content Logic 15. The Content logic 15 finds a number of services and deliberates with the Priority Logic 17 before sending a WML response, or WAP push message back to the user including a prioritized list of the services found: a) "Listen to the last studio version"; b) "Provide as ringing tune"; c) "Provide as logo"; d) "MMS picture gallery"; e) "Order CD"; f) "Order DVD from provider A, USD 29.95"; g) "Order DVD from provider B, USD 37.95"; h) "Book movie ticket"; i) "Information from fan club". The user 19 chooses one option from the list, whereupon the content provider 21 presents his "offer" to the user and takes over the process/dialogue of the transaction.

The various options presented to the user relates to different applications with widely different interfaces. However, the user will only see a "standard" interface common for all the applications, and which is simple in use for an occasional user. In this way the "mechanics" behind the interface is completely hidden from the user.

The main advantage of the present invention is that it minimizes the threshold complexity in the user interface of services and content provided for cellular phones, and makes it very simple for the user to find wanted services, information or products. The present invention will let the user browse and find new or already known service, information or product possibilities without having to know certain SMS codes, search techniques and/or telephone numbers.

Besides, the present invention will reduce the costs for advertising of SMS codes, reduce integration cost for Content providers, and will probably multiply the sales of different contents.

The invention has been described as applicable in the contexts of traditional mobile networks like GSM, GPRS, UMTS, etc. However, as communication technologies are evolving, the invention can find application here as well. As examples of other technologies of interest, WLAN, HiperLAN, Bluetooth and InfraRed (JR) communication networks could be used. This list of currently available communication technologies must not be considered as exhaustive; in the future other technologies will certainly become available, and which can be supported by the system and method of the present invention.

While the invention has been described in the context of mobile services, it can find application in a stationary environment as well. A Web server with the three modules mentioned above installed, can be accessed from a standard Web browser in a desktop Personal Computer. In this way the same benefits of a uniform access interface to a multitude of different services or applications or information contents can be achieved. This solution will in principle be almost identical to the mobile approach, except for billing solutions, even though a full fledged web browser is used. The

additional capabilities of such a web browser may of course be exploited with advantage to add features in the user interface.

Claims

1. A system for accessing services, applications and content in a communication network from a user terminal, the services, applications and content being stored in or linked to one or more databases connected to said communication network, comprising:

an Interpreter module means connected to receive a user-entered text phrase in the user's own natural language by means of a text and grammar recognition process, said module for outputting commands and inquiries;

a Content Logic means receiving said commands and inquiries for searching and finding services, applications and content among said services, applications and content in said one or more databases satisfying specifications defined by the commands and inquiries from the Interpreter module means, and

a Priority Logic means for sorting said found services, applications and content in a prioritized list according to predefined priority rules.

2. A system as claimed in claim 1, further comprising a set of tables in the Content Logic means associating possible incoming commands and inquiries with search strings for search engines to operate in said one or more databases with links to services, applications and content in said one or more databases.

3. A system as claimed in claim 1 wherein the Priority Logic means includes a ranking list prioritizing at least some of the available services, applications and content that is being used in said sorting of the services, applications and content in the prioritized list.

4. A system as claimed in claim 1 wherein the Priority Logic means for sorting includes means for sorting according to what is most likely to match a user's need expressed in the commands and inquiries resulting from the user-entered text phrase input in the Interpreter module means.

5. A system as claimed in claim 1 further comprising:
providing user terminal means having a browser means for user access to the system by means of an option in the user terminals in which the text phrase is entered, for transmitting the user-entered text phrase to the Interpreter module, for receiving said prioritized list and for displaying at least a part of this as selectable service, application and content, and
for carrying out operations of a user selected service, application and content.

6. A system as claimed in claim 5 wherein said browser is a SIM or WAP browser.

7. A system as claimed in claim 1 wherein the Interpreter module means, the Content Logic means and the Priority Logic means reside in a server associated with the communication network, and wherein the server is connected to a billing mechanism charging users for each use of the system.

8. A system as claimed in claim 1 wherein the communication network is a GSM, GSM/GPRS or a UMTS network and that the user terminals are cellular phones.

9. A system as claimed in claim 1 wherein a Speech Recognition Module is integrated in the Interpreter Module providing voice based user access and control to/of the system.

10. A method for accessing services, applications and content in a communication network from a user terminal, the services, applications and content being stored in or linked to one or more databases connected to said communication network, comprising:

interpreting a user-entered text phrase in a user's own natural language by means of a text and grammar recognition process, providing search commands and inquiries based on the result of said text and grammar recognition process,

searching services, applications and content among said services, applications and content in said one or more databases satisfying specifications defined by said commands and inquiries, and

sorting said found services, applications and content in a prioritized list according to predefined priority rules.

Abstract of the Disclosure

A system of accessing services, applications or
content using cell phones and the like on a wireless
5 network wherein the cell phone has a web browser that
digitally communicates with a network server that
interprets natural language message queries by means of
text and grammar recognition software, then searches for
responsive services, applications and content in
10 databases, thereby satisfying the queries, then responds
to the browser with a prioritized list from which the
user may select a desired service, application or content
item.

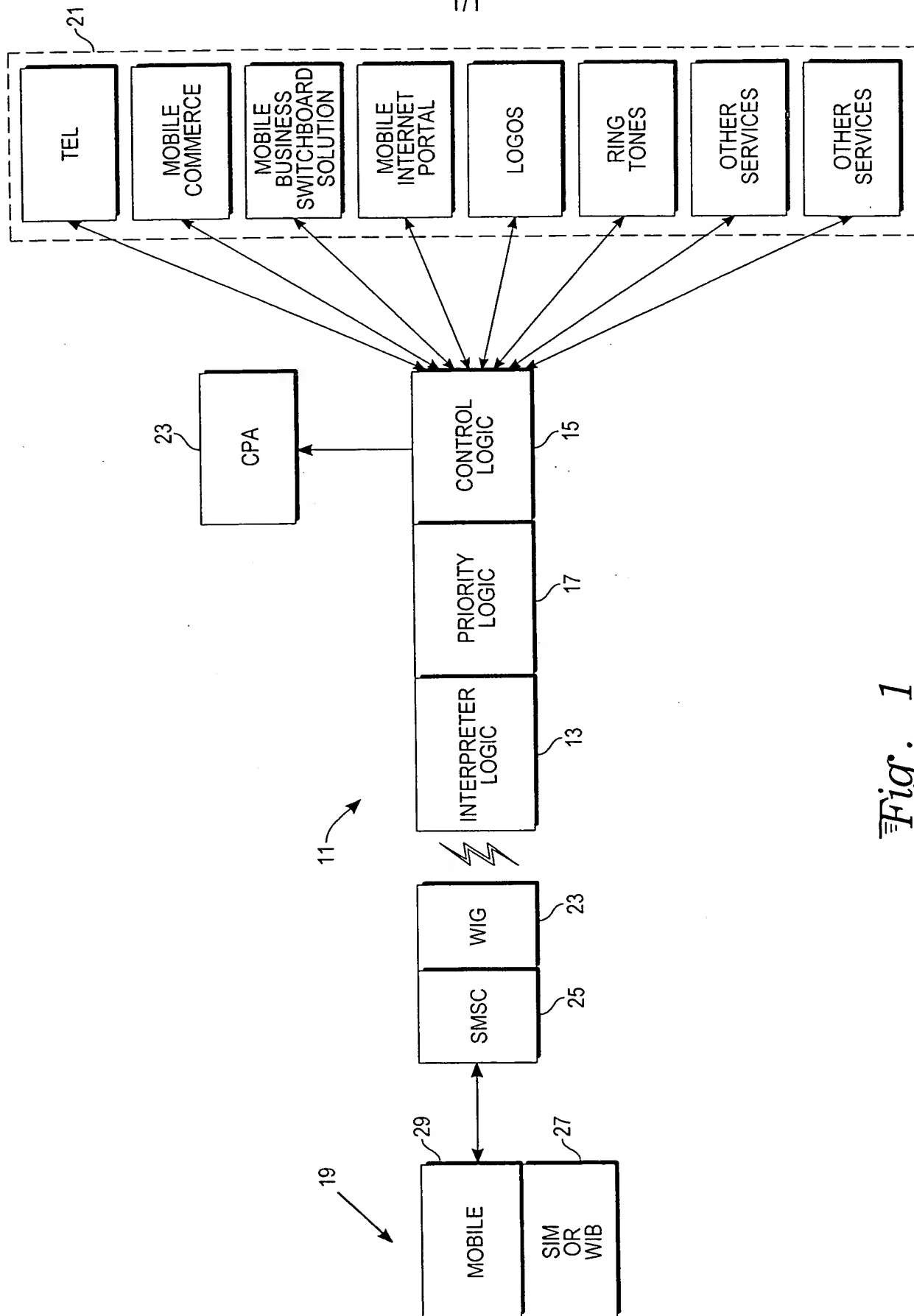


Fig. 1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Arne C. Munch et al. PATENT APPLICATION
Serial No.: Group Art Unit:
Filed: Examiner:
For: ACCESSING SERVICES, APPLICATIONS AND
 CONTENT IN A MOBILE COMMUNICATION NETWORK

Information Disclosure Statement

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following information is submitted in
compliance with Applicants' duty of disclosure under 37
CFR § 1.56. A copy of each reference is enclosed.

Published U.S. Patent Applications

<u>Publ. No.</u>	<u>Inventor</u>	<u>Publ. Date</u>
US 2002/0016748 A1	Emodi et al.	Feb. 7, 2002
US 2002/0077060 A1	Lehikoinen et al.	Jun. 20, 2002

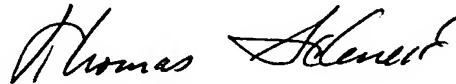
Foreign Patent Document

<u>Publ. No.</u>	<u>Inventor</u>	<u>Publ. Date</u>
W002/21078 A2	Joerg et al.	14 March 2002

Other Document

Declaration of Non-Establishment of ISR - Business Method

Respectfully submitted,



Thomas Schneck

Reg. No. 24,518

Schneck & Schneck

P.O. Box 2-E

San Jose, CA 95109-0005

(408) 297-9733

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as Express Mail Label EV 483138116 US in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signed: Merle P. Garcia

Typed Name: Merle P. Garcia

Date: February 18, 2005

FORM PTO-1449	Atty. Docket No. OSL-014	Serial No.
LIST OF PRIOR ART CITED BY APPLICANT	Applicant: Arne C. Munch et al.	
	Filing Date:	Group:

U.S. PATENT DOCUMENTS

Examiner Initial*	Publicatn Number	Publn Date	Name	Class	Sub Class	Filing Date
AA	US2002/00 16748 A1	02/07/02	Emodi et al.			
AB	US2002/00 77060 A1	06/20/02	Lehikoinen et al.			
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Publicatn. Number	Publn. Date	Country	Class	Sub Class	Translation Yes No
AK	WO02/21078 A2	03/14/02	PCT			
AL						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Declaration of Non-Establishment of ISR - Business Method
----	---

EXAMINER:

DATE CONSIDERED:

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/524,813	02/18/2005	2681	1000 1130	OSL-014	1	10	2

CONFIRMATION NO. 1998

Thomas Schneck
 Schneck & Schneck
 PO Box 2 E
 San Jose, CA 95109-0005

FILING RECEIPT



OC000000016490608

Date Mailed: 07/19/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Arne Christian Munch, Oslo, NORWAY;
 Leif Sandberg, Saltsjo-Boo, SWEDEN;
 Lars Christian Nordvik Berg, Drammen, NORWAY;

Power of Attorney: ~~None~~ *Schneck & Schneck - Customer No. 003897*

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/NO03/00287 08/20/2003

Foreign Applications

NORWAY 20023947 08/20/2002

Projected Publication Date: 10/20/2005

Non-Publication Request: No

Early Publication Request: No

Title

~~System and method for accessing services, and/or applications and/or content on a~~ *in a mobile*
 communication network

EXHIBIT D

Preliminary Class

455

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control,

Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.